BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

No.BBMP/EE/DD/Ten/06/2013-14, Date:05.11.2013 **ITEM NO: 71**

SCHEDULE-B

NAME OF WORK: Improvements & Asphalting of Road at St.Mary's School Back side 1st cross L/s & R/s in Dasarahalli Ward No 15

Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor **R MANGALARAJU**	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Excavation for road, drains and similar works - KSRRB 300-2. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.	Cum	251.37	90.72	Rupees Ninety and Seventy Two Paise Only
2	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	1621.5	2.59	Rupees Two and Fifty Nine Paise Only
3	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications.	Cum	8.11	1121.04	Rupees One Thousand One Hundred Twenty One and Four Paise Only
4	Providing, laying and rolling with vibratory roller of built-up spray grout layer over prepared base consisting of a two layer composite construction of compacted crushed coarse aggregates using motor grader for aggregates. Key stone chips spreader may be used with application of bituminous binder after each layer, and with key aggregates placed on top of the second layer to serve as a base confirming to the line, grades and cross-section specified, the compacted layer thickness being 75mm Complete as per specifications.	Sqm	162.15	268.92	Rupees Two Hundred Sixty Eight and Ninety Two Paise Only
5	Providing and applying tack coat on the prepared black topped surfaces at 5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all Materials, labour, HOM of machineries complete as per specifications.	Sqm	1621.5	21.71	Rupees Twenty One and Seventy One Paise Only

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6	Providing and laying semi dense bituminous concrete 25mm thic with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications.	Cum	48.64	9794.52	Rupees Nine Thousand Seven Hundred Ninety Four and Fifty Two Paise Only
7	Carriage of Mixed Materials complete as per specifications.	Cum	48.64	52.11	Rupees Fifty Two and Eleven Paise Only
8	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and lying of hot applied Thermoplastic Compound 2.5mm thick including Reflectrising Glass Beads at 250 gms per Sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	51.36	471.96	Rupees Four Hundred Seventy One and Ninety Six Paise Only
9	Removing B.S.Slab of drain and stacking etc., complete as per specifications.	Sqm	369.79	50.11	Rupees Fifty and Eleven Paise Only
10	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	34.67	4211.38	Rupees Four Thousand Two Hundred Eleven and Thirty Eight Paise Only
11	Providing and laying in position plain cement concrete of mix M15 with OPC cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	23.11	4690.5	Rupees Four Thousand Six Hundred Ninety and Fifty Paise Only
12	Refixing stone slabs of drains and pointing in CM 1:3 etc., complete as per specifications.	Sqm	369.79	70.04	Rupees Seventy and Four Paise Only
13	Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete as per specifications.	Sqm	246.53	343.44	Rupees Three Hundred Forty Three and Forty Four Paise Only
14	Refixing stone slabs of drains and pointing in CM 1:3 etc., complete as per specifications.	Sqm	616.32	70.04	Rupees Seventy and Four Paise Only

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15	Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	205.44	924.48	Rupees Nine Hundred Twenty Four and Forty Eight Paise Only
16	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials. complete as per specifications.	Sqm	462.24	1600.0	Rupees One Thousand Six Hundred Only
17	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading complete as per specifications.	Cum	251.37	78.0	Rupees Seventy Eigh Only

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Executive Engineer,
Dasarahalli Division,